Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/28/2022 08:50 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124768	-1	1.72	124714	1.65
Blue	F	SSC	125000	122472	-3	3.33	122994	3.17
Blue	E	FITC	13602	13131	-4	2.53	368	13.27
Blue	D	PE	24891	24436	-2	1.98	579	10.28
Blue	B	PerCP-Cy5-5	33972	33459	-2	3.19	952	14.51
Blue	A	PE-Cy7	22865	22661	-1	5.04	479	29.74
Red	C	APC	47198	46539	-2	2.57	1606	11.38
Red	A	APC-Cy7	26454	25831	-3	3.01	730	11.78
Violet	B	V450	6737	6470	-4	3.78	450	11.52
Violet	A	V500	29317	28455	-3	3.27	975	8.42

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24060	2.86	557	22	N/A	N/A	Pass
Blue	F	SSC	55255	2.44	515	-6	N/A	N/A	Pass
Blue	E	FITC	55	53.22	483	-1	0.0454	101	Pass
Blue	D	PE	113	37.53	486	0	0.4240	288	Pass
Blue	B	PerCP-Cy5-5	152	40.56	579	0	0.0214	95	Pass
Blue	A	PE-Cy7	80	76.78	621	0	0.0231	0	Pass
Red	C	APC	336	25.60	573	1	0.0286	176	Pass
Red	A	APC-Cy7	136	35.42	551	0	0.0075	2211	Pass
Violet	B	V450	76	47.97	443	-7	0.0592	2545	Pass
Violet	A	V500	114	32.29	463	-6	0.0255	1064	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-32.13	-31.88	1.13
Blue	20.36	16.28 - 24.42	1.30	1.03 - 1.55	0.00	0.00	1.44
Red	16.57	13.90 - 20.86	N/A	N/A	30.25	30.39	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 11557

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments